Improved LED Lighting Solution Leads to Significant Savings for Weyerhaeuser

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PROJECT

Weyerhaeuser wanted to improve production and safety conditions, lower operational costs and create a better work environment. To meet Weyerhaeuser’s goals, PEC audited all their facilities and delivered a turn-key lighting project designed with 3D renderings and photometrics with Flex Essentials Series 4.0 LED High Bays and lighting controls.

RESULTS FROM PEC SOLUTION

LOCATION: Lebanon, OR
APPLICATION: Wood Manufacturing
END CUSTOMER: Weyerhaeuser
PARTNER: PEC (Pacific Energy Concepts)

FACILITY

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RESULTS FROM PEC SOLUTION

$4,320,670 projected energy savings over 10 years

$655,686 expenses covered by incentives

3,057,499 KWh displaced energy

A one size fits all approach did not work for Weyerhaeuser. From audit to design to install, each site was unique and required different fixtures, controls and solutions to hit light level requirements and maintain durability. We were able to provide them annual energy savings, maintenance savings and local incentives that provided a quick return on investment.”
Overview
Weyerhaeuser has industrial facilities across the country, many with outdated HID and fluorescent lighting. The company has internal light level requirements that are recommended for every application and work environment.

Challenge
With every site being unique, it proved difficult to hit light level requirements with fixtures that were durable and long lasting. Weyerhaeuser wanted to improve production and safety conditions, lower operational costs and create a better work environment.

Solution
PEC presented a full-site, turn-key lighting project designed using photometrics and 3D renderings for each specific facility. PEC handled all aspects of this lighting project. Starting with a comprehensive audit PEC’s solution utilized the most appropriate fixtures for each environment.

PEC secured available incentives to reduce upfront costs while their project management team implemented and managed installation providing a true end-to-end solution.

PEC Lighting Design Included:

Results
PEC’s design included Flex Essentials Series 4.0 LED High Bays replacing outdated metal halide fixtures which, in conjunction with PECs system design, enabled Weyerhaeuser to meet their light level and energy goals.

Securing a 2.4-year payback, the LED lighting project yielded an annual savings of $432,067, saved 3,057,499 KWh and was granted $655,686 in incentives.

For more information, please visit www.flexlightingsolutions.com

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